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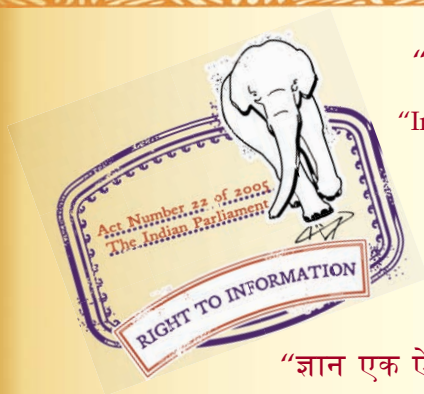
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IS 6645 (1972): Service Nameplates for Marine Valves and Fittings [TED 17: Shipbuilding]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
SPECIFICATION FOR
SERVICE NAMEPLATES FOR MARINE
VALVES AND FITTINGS

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Indian Standard

SPECIFICATION FOR SERVICE NAMEPLATES FOR MARINE VALVES AND FITTINGS

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Indian Standard

SPECIFICATION FOR SERVICE NAMEPLATES FOR MARINE VALVES AND FITTINGS

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 28 July 1972, after the draft finalized by the Shipbuilding Sectional Committee had been approved by the Marine, Cargo Movement and Packaging Division Council.

0.2 A large number of valves of various types are used on board ships. For easy identification and operation, it is essential that the correct nameplates are fitted to each of the valves.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard specifies the dimensions, material, inscription, manufacture and finish and general requirements of nameplates.

1.2 It is recommended that nameplates be used, wherever possible, on valves intended for marine duty.

2. TYPES

2.1 The nameplates shall be of two types, namely:

Type A — circular nameplates generally used on valves with their handwheels fixed to the stem, and

Type B — rectangular nameplates generally used on valves where it is impractical to use the Type A and also on other fittings.

*Rules for rounding off numerical values (*revised*).

3. DIMENSIONS

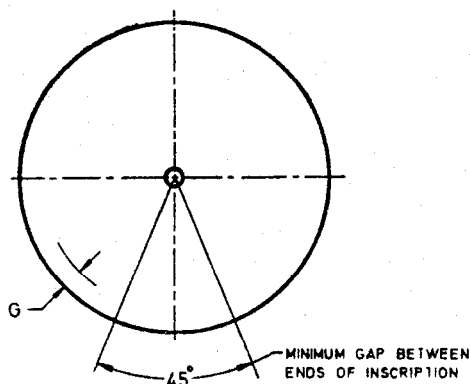
3.1 The dimensions of Type A and Type B nameplates shall conform to Tables 1 and 2 respectively.

3.2 Types A and B nameplates shall have a thickness of 2 mm.

TABLE 1 DIMENSIONS OF CIRCULAR NAMEPLATES, TYPE A

(Clauses 3.1 and 5.4)

All dimensions in millimetres.



DIAMETER OF NAMEPLATE	HEIGHT OF LETTERS	APPROX NO. OF COMBINED LETTERS AND SPACES	G	BORE OF VALVE
40	6	16	3	15 to 40
50	6	21	5	50 „ 100
65	6	20	5	125 „ 150
75	6	26	5	200 „ 300
90	6	23	6	350 and over

NOTE — A 5 mm diameter hole is to be drilled in the centre of the nameplate by the manufacturer, unless otherwise specified.

4. MATERIAL

4.1 Nameplates shall be of any one of the following materials:

Aluminium

IS : 737-1965*

Brass

IS : 410-1967†

*Specification for wrought aluminium and aluminium alloys, sheet and strip (for general engineering purposes) (revised).

†Specification for rolled brass plate, sheet, strip and foil (second revision).

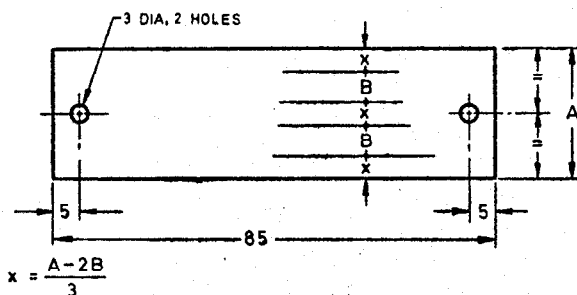
Polystyrene
PVC sheets
Steel

IS : 5210-1969*
IS : 6307-1971†
IS : 4759-1968‡

TABLE 2 DIMENSIONS OF RECTANGULAR NAMEPLATES, TYPE B

(Clauses 3.1 and 5.4)

All dimensions in millimetres.



WIDTH OF NAMEPLATE <i>A</i>	HEIGHT OF LETTERS <i>B</i>	APPROX NO. OF COMBINED LETTERS AND SPACES	
		Single Line	Double Line
15	6	10	—
25	6	10	20

NOTE — Single line inscription to be centrally located.

5. INSCRIPTION

5.1 The minimum size of engraving shall be 6 mm in height.

5.2 The minimum depth of engraving shall be 0.5 mm.

5.3 Lettering shall be clearly legible and of 'sans serif' upper case type.

5.4 The total number of letters and included spaces should not normally exceed that given in Tables 1 and 2.

5.5 Care should be exercised in the use of abbreviated expressions to ensure correct interpretation, and this applies especially when the instructions shall be in a foreign language.

*Specification for high impact polystyrene sheet.

†Specification for PVC rigid sheet.

‡Specification for hot-dip zinc coatings on structural sheet and other allied products.

5.6 The engraved letters shall be filled with black wax unless otherwise specified by the purchaser.

6. MANUFACTURE AND FINISH

6.1 The nameplates shall be flat and truly circular or rectangular depending on the type specified.

6.2 The centre hole, where provided in circular nameplates, shall be concentric with the outer edge.

6.3 The lettering and spacing shall be uniform and, in the case of circular plates, concentric with the outside edge. For rectangular plates, the lettering shall be parallel with the horizontal edges.

6.4 All plate edges shall be finished smooth.

6.5 The face side of the nameplate shall have a bright finish.

7. GENERAL REQUIREMENTS

7.1 An identification reference corresponding to the valve or cock for which the nameplate is intended shall be permanently marked on the reverse side of each plate when specified by the purchaser.

7.2 Nameplates having the inscription in a foreign language shall have the English equivalent indicated on the back of each plate by temporary marking when specified by the purchaser.

7.3 Nameplates shall be grouped in sequence according to their identification references, where provided.

7.4 The following information shall be supplied by the purchaser while placing order for nameplates:

- a) The type of nameplate and material,
- b) Size of nameplate,
- c) Inscription required,
- d) Colour of wax filling,
- e) Valve or cock identification reference number, and
- f) The number of this standard.

7.5 The service nameplates may be secured by screws or by a suitable adhesive, depending on the material of the nameplate.



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*Sales Office in Bombay is at Novelty Chambers, Grant Road, Bombay 400007 89 65 28

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